

ABSTRACT

DATA PROCESSING SYSTEM AND METHOD

Embodiments of the present invention relate to a
5 data processing system comprising a first arithmetic unit
comprising at least one finite field multiplier and at
least one finite field adder for selectively performing
at least two finite field arithmetic calculations; the
data processing system comprising means to use a previous
10 finite field arithmetic calculation result in a current
finite field arithmetic calculation to determine at least
part of a polynomial.

(figure 1)

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